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Attorney Docket No.: FREL.P-041-2  
PATENT APPLICATION  
December 31, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Tiefenthaler  
Serial No : 10/065,152  
Confirmation : 2776  
Filed : 09/22/2002  
Title : Optical sensor and optical process for the characterization of a chemical and/or bio-chemical substance

SUBMISSION OF INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner Patents and Trademarks  
Washington, DC 20231

Sir:

Applicants request that the references listed on Substitute Form PTO-1449, which is enclosed, be made of record in the Patent Office file relating to the above-captioned application. Copies of the references should be available in the parent case, Serial No. 09/508,384.

The Applicants believe there are no fees due with this submission. However, if the Commissioner deems fees are due, the Commissioner is authorized to debit any fees deemed due from Deposit Account Number 15-0610.

Respectfully submitted,  
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CERTIFICATE OF MAILING UNDER 37 CFR §1.8(a)

I hereby certify that this paper and the attachments named herein are being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231 on

12/31/02

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Date of Signature

  
Linda L. Orr

Substitute for form 1449

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Page 1 of 2

**U.S. PATENT DOCUMENTS**

Examiners Initials	U S Patent No.	Name of Persons or applicant	Date of Publication of Cited Document
	5479260	Fattinger	12-26-1995
	5738825	Rudigier, et al.	04-14-1998
	5455178	Fattinger	10/1995
	5846842	Herron et al.	12/1998
	5071248	Tiefenthaler et al.	12/1991
	4952056	Tiefenthaler	08/1990
	6136611	Saaski et al.	10/2000
	6127183	Ivarsson et al.	10/2000
	5811312	Hasegawa et al.	09/1998
	5573956	Hanning	11/1996
	5047213	Finlan et al.	09/1991
	4877747	Stewart	10/1989

**FOREIGN PATENT DOCUMENTS**

Examiners Initials	Patent No.	Name of Persons or applicant	Date of Publication of Cited Document
	EP 0 226 604 B1	Tiefenthaler, Kurt	8/21/1991
	EP WO/95/03538	Rudigier, Helmut	2/02/1995

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	
	LUKOSZ, W., et al., Output Grating Couplers on Planar Waveguides as Integrated Optical Sensors, 192/ SPIE Vol. 11141 5 <sup>th</sup> European Conference on Integrated Optics: ECIO '89.
	KUNZ, R.E., et. al., Replicated Chirped Waveguide Gratings for Optical Sensing Applications, 1995 Elsevier Science S.A.
	DUBENDORFER, J., et al., Reference Pads for Miniature Integrated Optical Sensors, 1997 Elsevier Science S.A., Sensors and Actuators B 38-39 (1997).
	DUBENDORFER, J., et al., Compact Integrated Optical Immunosensor Using Replicated Chirped Grating Coupler Sensor Chips, 1998 Optical Society of America, Applied Optics, Vol. 37, No. 10, 1 April 1998.

This Information Disclosure Citation List is being submitted as a substitute for Form PTO-1449. The Examiner is requested to place his or her initials on the lines adjacent to the citations to indicate that the reference has been considered. The Examiner is further requested to fill in his or her name and the date the information was considered in blocks at the bottom of this substitute for Form PTO-1449.

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Examiner Signature

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Date Considered